JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 369 (1989)

AUTHOR INDEX

Ackermann, M.N., (369) 55
Adams, D.E., (369) 55
Åkermark, B., (369) 433
Antiñolo, A., (369) 187
Apreda, M.C., (369) 253
Araki, S., (369) 291
Astruc, D., (369) 383

Bäckvall, J.-E., (369) 433
Barsties, E., (369) 359
Baumegger, A., (369) C39
Beck, G., (369) 105
Becker, B., (369) 147
Beckhaus, R., (369) 43
Berhalter, K., (369) 321
Bessenbacher, C., (369) 83
Bhagi, A.K., (369) 281
Bianchini, C., (369) C6
Bin Shawkataly, O., (369) 217
Bohley, T., (369) C27
Bolesov, I.G., (369) 267
Bonati, F., (369) 253
Bouzid, M., (369) 205
Braga, D., (369) C43
Bravo-Zhivotovskii, D.A., (369) 29
Brintzinger, H.-H., (369) 343, 359
Bruce, M.I., (369) 217, 393
Brune, H.-A., (369) 321, 335
Buchholz, D., (369) 297
Burger, P., (369) 343
Butsugan, Y., (369) 291
Bytheway, I., (369) 217

Cano, F.H., (369) 253
Castiglioni, M., (369) 419
Corriu, R.J.P., (369) 147
Cox, M.G., (369) C21

Debaerdemaeker, T., (369) 321
Dong, T.-Y., (369) C33
Dormond, A., (369) 171

Eibl, M., (369) C23
Elbouadili, A., (369) 171

Ermekov, D.S., (369) 371, 377
Evertz, K., (369) 359

Fajardo, M., (369) 187
Fässler, T., (369) 297
Fehlhammer, W.P., (369) 105
Foces-Foces, C., (369) 253
Folest, J.C., (369) C47
Frediani, P., (369) C6

Giordano, R., (369) 419
Gómez, M., (369) 197
Grandberg, K.I., (369) 267
Grepioni, F., (369) C43
Guérin, C., (369) 147
Gutmann, S., (369) 343

Habibi, D., (369) 17
Hansson, S., (369) 433
Hemmer, R., (369) 335
Hengge, E., (369) C23, C39
Henner, B.J.L., (369) 147
Herrmann, W.A., (369) C1
Heumann, A., (369) 433
Hofmann, J., (369) 343
Hu, S.-S., (369) 155
Hund, H.-U., (369) 343
Huttner, G., (369) 297
Hwang, M.Y., (369) C33

Ishikawa, M., (369) C18
Ito, H., (369) 291

Jalón, F.A., (369) 187
Jeżowska-Trzebiatowska, B., (369) 69
Johnson, B.F.G., (369) C43

Kaim, W., (369) 83
Kalikhman, I.D., (369) 29
Kalyuzhnaya, Y.S., (369) 267
Kanaya, D., (369) C18
Kapoor, P.N., (369) 281
Kapoor, R.N., (369) 281
Katsumura, N., (369) 291
Kawamoto, K., (369) 117

Khatib, I.S., (369) 9
King, Jr., J.A., (369) 245
Kiprof, P., (369) C1
Klotzbücher, R., (369) 321
Kondo, T., (369) C51
Korsunsky, V.I., (369) 267
Kreindlin, A.Z., (369) 125
Kuchler, J.G., (369) C1
Kuzmina, L.G., (369) 267

Lang, H., (369) 131
Lewis, J., (369) C43
Liddell, M.J., (369) 217
Lippert, F., (369) C27

Mandon, D., (369) 383
Manning, A.R., (369) C21
Mardomingo, C.L., (369) 187
Mariategui, J.F., (369) 137
Martinez de Ilarduya, J.M., (369) 197
Marzouk, H., (369) C47
Massey, A.D., (369) C43
Mealli, C., (369) C6
Meli, A., (369) C6
Mohammadi, V., (369) 17
Moïse, C., (369) 171
Mori, H., (369) 285
Mukai, T., (369) C51
Müller, G., (369) 165

Nédélec, J.Y., (369) C47
Niedenzu, K., (369) 137
Nissen-Sobocinska, B., (369) 69

Ohshita, J., (369) C18
Okamoto, Y., (369) 285
Oro, L.A., (369) 253
Otero, A., (369) 187

Palvadeau, P., (369) 205
Parish, R.V., (369) 9, 17
Peng, S.-M., (369) C33
Perevalova, E.G., (369) 267
Périchon, J., (369) C47
Peruzzini, M., (369) C6

Pigarev, S.D., (369) 29
Pinillos, M.T., (369) 253
Pradère, J.P., (369) 205
Pranata, J., (369) 55
Proserpio, D.M., (369) C6

Reichhardt, M., (369) 335
Rein, T., (369) 433
Reinmuth, A., (369) 359
Riede, J., (369) 165
Rollin, Y., (369) C47
Royo, P., (369) 197
Rybinskaya, M.I., (369) 125

Sadykov, R.A., (369) 1
Sanz-Bernabé, C., (369) 187
Sappa, E., (369) 419
Schei, C.-C., (369) C33
Schmidbaur, H., (369) 165
Schrank, F., (369) C23
Seki, Y., (369) 117
Sharma, H.K., (369) 281
Shishlov, N.M., (369) 1
Skelton, B.W., (369) 217, 393
Soye, P., (369) C21
Steinmetz, M., (369) 309
Straus, D.A., (369) C13
Ströhl, D., (369) 43
Struchkov, Yu.T., (369) 125, 377

Takacs, J., (369) C1
Takeshita, K., (369) 117
Tejel, C., (369) 253
Thiele, K.-H., (369) 43
Tilley, T.D., (369) C13
Todres, Z.V., (369) 371, 377
Toupet, L., (369) 205
Tsuji, Y., (369) C51

Unsin, J., (369) 335

Vågberg, J., (369) 433
Vénien, J.P., (369) 205
Vizza, F., (369) C6
Vollhardt, K.P.C., (369) 245
Voronkov, M.G., (369) 29
Voyevodskaya, T.I., (369) 267
Vyazankin, N.S., (369) 29
Vågberg, J., (369) 433

Wallis, J.M., (369) 165
Watanabe, Y., (369) C51
Weber, W.P., (369) 155
Werner, H., (369) 309, C27
White, A.H., (369) 217, 393
Wiesenfeld, H., (369) 359
Williams, M.L., (369) 393

Yamana, T., (369) 285
Yamanaka, T., (369) C18
Yamauchi, C.F., (369) 55
Yanovsky, A.I., (369) 125, 377
Yeh, S.-K., (369) C33
Yoshioka, K., (369) 285

Zhang, C., (369) C13
Zsolnai, L., (369) 131, 297

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 369 (1989)

SUBJECT INDEX

Aluminium

Trialkylaluminium, chemically induced dynamic nuclear polarization in reactions with benzoyl peroxide of (R.A. Sadykov, N.M. Shishlov), (369) 1

Arsenic

[η^2-1,2-Bis(diphenylarsino)ethane]bis(4-fluorophenyl)platinum(II) and [η^2-1,2-bis(diphenylarsino)benzene]bis[4-(trifluoromethyl)phenyl]platinum(II), crystal and molecular structures of (H.-A. Brune, R. Klotzbücher, K. Berhalter, T. Debaerdemaeker), (369) 321

Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ (M = Ru, Os), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ (L = PMe_2Ph and $P(OR)_3$, R = Me, Et and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217

$Os_3(CO)_9(\mu_3\text{-}AsC_6H_3CH_3)(\mu_3\text{-}C_6H_4CH_3)$, synthesis and crystal structure of (B.F.G. Johnson, J. Lewis, A.J. Massey, D. Braga, F. Grepioni), (369) C43

Bismuth

Cluster compounds containing *d*- and *p*-block metals; molecular structure of μ_3-Bi[Fe(C_5H_5)(CO)]$_3$ (J.M. Wallis, G. Müller, J. Riede, H. Schmidbaur), (369) 165

Boron

B-Triethylboroxin with ethylenediamine complexes and derivatives thereof (J.F. Mariategui, K. Niedenzu), (369) 137

Trityl tetraphenylborate as reagent in organometallic chemistry (D.A. Straus, C. Zhang, T.D. Tilley), (369) C13

Chromium

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.$0^{2,5}$]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

Cyclic dithio- and diaminocarbene coordinated trichloromethyl isocyanide complexes, reactions of (W.P. Fehlhammer, G. Beck), (369) 105

Cobalt

Cobalt dinuclear ring-bridged complexes, synthesis and reactions of (H. Werner, F. Lippert, T. Bohley), (369) C27

(η^5-Cyclopentadienyl)cobalt, thermal and photochemical degenerate "walk" along η^4-bound 1,3,5-hexatriene in (J.A. King Jr., K.P.C. Vollhardt), (369) 245

Tris(phenylethynyl)phosphane, coordination in; synthesis and characterisation of {($C_6H_5C{\equiv}CC_6H_5$)P[(η^2-C$\equiv$CC_6H_5)$Co_2(CO)_5$]}$_2$ (H. Lang, L. Zsolnai), (369) 131

Germanium

Organogermanium anions, substituent effects on the structure and reactivity of (S.D. Pigarev, D.A. Bravo-Zhivotovskii, I.D. Kalikhman, N.S. Vyazankin, M.G. Voronkov), (369) 29

Gold

Gold-containing derivatives of cyclopropanecarboxylic acid amides (E.G. Perevalova, I.G. Bolesov, Y.S. Kalyuzhnaya, T.I. Voyevodskaya, L.G. Kuzmina, V.I. Korsunsky, K.I. Grandberg), (369) 267

Hafnium

Bis(pentamethylcyclopentadienyldivinyl-titanium, -zirconium and -hafnium compounds, formation of titanacyclobutane and -zirconacyclopent-2-ene derivatives of (R. Beckhaus, K.-H. Thiele, D. Ströhl), (369) 43

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of *R,S*-$Me_2Si(3\text{-t-Bu-5-MeC}_5H_2)_2ZrCl_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Indium

Indium(I) iodide mediation of Barbier allylation and Reformatsky reaction of carbonyl compounds (S. Araki, H. Ito, N. Katsumura, Y. Butsugan), (369) 291

Iridium

Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17

Rhodium(I) and iridium(I) *N*-substituted imidazole derivatives with and without metal–metal interaction; crystal structure of *cis*-$(CO)_2RhCl$(*N*-methylimidazole) (F. Bonati, L.A. Oro, M.T. Pinillos, C. Tejel, M.C. Apreda, C. Foces-Foces, F.H. Cano), (369) 253

Iron

Bis-arene iron dications, synthetic problems and reaction with nucleophiles of (D. Mandon, D. Astruc), (369) 383

1′,6-Bis(*p*-halobenzyl)biferrocenium salts, valence delocalization in; zigzag configuration for polyiodide ion I_5^- (T.-Y. Dong, M.-Y. Hwang, C.-C. Schei, S.-M. Peng, S.-K. Yeh), (369) C33

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.0^{2,5}]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

Cluster compounds containing *d*- and *p*-block metals; molecular structure of μ_3-$Bi[Fe(C_5H_5)(CO)]_3$ (J.M. Wallis, G. Müller, J. Riede, H. Schmidbaur), (369) 165

Cyclosilanyl transition metal compounds, $Si_6Me_{11}[Fe(CO)_2C_5H_5]$, $(Si_6Me_{10})[Fe(CO)_2C_5H_5]_2$, and $Si_6Me_{11}[Mo(CO)_3C_5H_5]$, preparation of (E. Hengge, M. Eibl, F. Schrank), (369) C23

$[Fe_2(\eta\text{-}C_5H_5)_2(CO)_2(\mu\text{-}CO)_2]$, preparation starting from $[Fe_2\{\eta^5,\eta^5\text{-}C_5H_4CH(NMe_3)CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^-$ salts of (M.G. Cox, P. Soye, A.R. Manning), (369) C21

β-Ferrocenylacrylonitrile, behaviour in reactions with organic bases of (Z.V. Todres, D.S. Ermekov), (369) 371

cis-*β*-Ferrocenylacrylonitrile, molecular geometry of (Z.V. Todres, A.I. Yanovsky, D.S. Ermekov, Yu.T. Struchkov), (369) 377

1-Thia-3-azabutadienes, selective complexation with carbonyl iron of (M. Bouzid, J.P. Pradère, P. Palvadeau, J.P. Vénien, L. Toupet), (369) 205

$(\mu_3\text{-}X)_2Fe_3(CO)_9$ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Lithium

Gold-containing derivatives of cyclopropanecarboxylic acid amides (E.G. Perevalova, I.G. Bolesov, Y.S. Kalyuzhnaya, T.I. Voyevodskaya, L.G. Kuzmina, V.I. Korsunsky, K.I. Grandberg), (369) 267

Magnesium

Phenylmagnesium carboxylates, synthesis of (P.N. Kapoor, A.K. Bhagi, H.K. Sharma, R.N. Kapoor), (369) 281

Metallocenes

1′,6-Bis(*p*-halobenzyl)biferrocenium salts, valence delocalization in; zigzag configuration for polyiodide ion I_5^- (T.-Y. Dong, M.-Y. Hwang, C.-C. Schei, S.-M. Peng, S.-K. Yeh), (369) C33

$[C_5Me_5RuC_5Me_4CH_2]^+ \cdot BPh_4^- \cdot CH_2Cl_2$, crystal and molecular structure of (A.I. Yanovsky, Yu.T. Struchkov, A.Z. Kreindlin, M.I. Rybinskaya), (369) 125

β-Ferrocenylacrylonitrile, behaviour in reactions with organic bases of (Z.V. Todres, D.S. Ermekov), (369) 371

cis-*β*-Ferrocenylacrylonitrile, molecular geometry of (Z.V. Todres, A.I. Yanovsky, D.S. Ermekov, Yu.T. Struchkov), (369) 377

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of *R*,*S*-$Me_2Si(3\text{-t-Bu-5-MeC}_5H_2)_2ZrCl_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Halogenohydridobis(silylated cyclopentadienyl)niobium complexes, synthesis and characterization of (A. Antiñolo, M. Fajardo, F.A. Jalón, C. López Mardomingo, A. Otero, C. Sanz-Bernabé), (369) 187

$[(Me_3Si)_2N]_2UCH_2SiMe_2NSiMe_3$, stereochemistry of insertion of cyclic ketones into the U–C bond of (A. Dormond, A. Elbouadili, C. Moïse), (369) 171

Metallocene niobium(III) isocyanide complexes with oxidizing reagents, reactions of (M. Gómez, J.M. Martinez de Ilarduya, P. Royo), (369) 197

Titanocene and zirconocene chiral derivatives with symmetrically substituted, tetramethylethanediyl-bridged ligands (S. Gutmann, P. Burger, H.-U. Hund, J. Hofmann, H.-H. Brintzinger), (369) 343

Molybdenum

Cyclosilanyl transition metal compounds, $Si_6Me_{11}[Fe(CO)_2C_5H_5]$, $(Si_6Me_{10})[Fe(CO)_2C_5H_5]_2$, and $Si_6Me_{11}[Mo(CO)_3C_5H_5]$, preparation of (E. Hengge, M. Eibl, F. Schrank), (369) C23

Phosphine- and carbonyl-molybdenum dimers with double hydrogen bridge, electronic structure of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (369) 69

Nickel

Nickel complexes as catalysts for electrochemical synthesis of ketones from acid chlorides and alkyl and aryl halides (H. Marzouk, Y. Rollin, J.C. Folest, J.Y. Nédélec, J. Périchon), (369) C47

Niobium

Halogenohydridobis(silylated cyclopentadienyl)niobium complexes, synthesis and characterization of (A. Antiñolo, M. Fajardo, F.A. Jalón, C. López Mardomingo, A. Otero, C. Sanz-Bernabé), (369) 187

Metallocene niobium(III) isocyanide complexes with oxidizing reagents, reactions of (M. Gómez, J.M. Martinez de Ilarduya, P. Royo), (369) 197

Osmium

Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ (M = Ru, Os), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ (L = PMe_2Ph and $P(OR)_3$, R = Me, Et and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217

$Os_3(CO)_9(\mu_3\text{-}AsC_6H_3CH_3)(\mu_3\text{-}C_6H_4CH_3)$, synthesis and crystal structure of (B.F.G. Johnson, J. Lewis, A.J. Massey, D. Braga, F. Grepioni), (369) C43

Palladium

Palladium-catalyzed allylic acetoxylation, influence of added acids on (B. Åkermark, S. Hansson, T. Rein, J. Vågberg, A. Heumann, J.-E. Bäckvall), (369) 433

Palladium-catalyzed cross-coupling of bromobenzenes, containing an acetyl or formyl group, with organozinc reagents (Y. Okamoto, K. Yoshioka, T. Yamana, H. Mori), (369) 285

Phosphorus

Cobalt dinuclear ring-bridged complexes, synthesis and reactions of (H. Werner, F. Lippert, T. Bohley), (369) C27

Cyclic dithio- and diaminocarbene coordinated trichloromethyl isocyanide complexes, reactions of (W.P. Fehlhammer, G. Beck), (369) 105

Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ (M = Ru, Os), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ (L = PMe_2Ph and $P(OR)_3$, R = Me, Et and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217

Phosphine- and carbonyl-molybdenum dimers with double hydrogen bridge, electronic structure of (B. Jeżowska-Trzebiatowska, B. Nissen-Sobocińska), (369) 69

Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17

Rhodium complexes with *N*-cyanomethyleneimine as ligand (M. Steinmetz, H. Werner), (369) 309

Rhodium(I)-catalyzed hydrogen-transfer reaction of secondary alcohols and imines, mechanism of (H.-A. Brune, J. Unsin, R. Hemmer, M. Reichhardt), (369) 335

$Ru_3(CO)_{12-n}(PPh_2H)_n$ (n = 2, 3), $HRu_3(CO)_3(CO)_{10}(\mu\text{-}PPh_2)$, $HRu_3(CO)_9(\mu\text{-}PPh_2)$ and $HRu_3(CO)_7(\mu\text{-}PPh_2)_3$ as catalysts in selective hydrogenation of diphenylacetylene and isomerization of *cis*-stilbene (M. Castiglioni, R. Giordano, E. Sappa), (369) 419

$Ru_3(\mu_5\text{-}\eta^2,P\text{-}C_2PPh_2)(\mu\text{-}PPh_2)(CO)_{13}$ reactions with CO or dihydrogen of; X-ray crystal structures of $Ru_5(\mu\text{-}H)(\mu_5\text{-}CCHPPh_2)(\mu\text{-}PPh_2)(CO)_{13}$, $Ru_5(\mu\text{-}H)_2(\mu_4\text{-}CCH_2PPh_2)(\mu\text{-}PPh_2)(CO)_{12}$ and $Ru_5C(\mu\text{-}H)_3(\mu\text{-}PPh_2)(CO)_{11}(PMePh_2)$ (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (369) 393

Tris(phenylethynyl)phosphane, coordination in; synthesis and characterisation of $\{(C_6H_5C{\equiv}CC_6H_5)P[(\eta^2\text{-}C{\equiv}CC_6H_5)Co_2(CO)_5]\}_2$ (H. Lang, L. Zsolnai), (369) 131

$(\mu_3\text{-}X)_2Fe_3(CO)_9$ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Platinum

[η^2-1,2-Bis(diphenylarsino)ethane]bis(4-fluorophenyl)platinum(II) and [η^2-1,2-bis(diphenylarsino)benzene]bis[4-(trifluoromethyl)phenyl]platinum(II), crystal and molecular structures of (H.-A. Brune, R. Klotzbücher, K. Berhalter, T. Debaerdemaeker), (369) 321

Rhenium

Methyltrioxorhenium, condensation reactions with 8-hydroxyquinoline and 2-hydroxyaniline of (J. Takacs, P. Kiprof, J.G. Kuchler, W.A. Herrmann), (369) C1

Rhodium

cis-(Alkyl)(η^2-dioxygen)rhodium complex, oxygen atom transfer to organic and inorganic substrates from (C. Bianchini, C. Mealli, A. Meli, D.M. Proserpio, M. Peruzzini, F. Vizza, P. Frediani), (369) C6

Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17

Rhodium complexes with *N*-cyanomethyleneimine as ligand (M. Steinmetz, H. Werner), (369) 309

Rhodium(I) and iridium(I) *N*-substituted imidazole derivatives with and without metal–metal interaction; crystal structure of *cis*-$(CO)_2RhCl$(*N*-methylimidazole) (F. Bonati, L.A. Oro, M.T. Pinillos, C. Tejel, M.C. Apreda, C. Foces-Foces, F.H. Cano), (369) 253

Rhodium(I)-catalyzed hydrogen-transfer reaction of secondary alcohols and imines, mechanism of (H.-A. Brune, J. Unsin, R. Hemmer, M. Reichhardt), (369) 335

Ruthenium

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.$0^{2,5}$]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

$[C_5Me_5\overline{RuC_5Me_4CH_2}]^+ \cdot BPh_4^- \cdot CH_2Cl_2$, crystal and molecular structure of (A.I. Yanovsky, Yu.T. Struchkov, A.Z. Kreindlin, M.I. Rybinskaya), (369) 125

(*E*)-1,2-Disilylethenes, synthesis from triorganosilylethene with the aid of $Ru_3(CO)_{12}$ and hydrosilane of (Y. Seki, K. Takeshita, K. Kawamoto), (369) 117

Group 15 ligand-substituted derivatives of $M_3(CO)_{12}$ (M = Ru, Os), stereochemistry of; synthesis and characterisation of tetra-substituted ruthenium complexes; X-ray structures of $Ru_3(CO)_8(L)_4$ (L =

PMe_2Ph and $P(OR)_3$, R = Me, Et and Ph) (M.I. Bruce, M.J. Liddell, O. bin Shawkataly, I.R. Bytheway, B.W. Skelton, A.H. White), (369) 217

Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17

$Ru_3(CO)_{12-n}(PPh_2H)_n$ (n = 2, 3), $HRu_3(CO)_3(CO)_{10}(\mu\text{-}PPh_2)$, $HRu_3(CO)_9(\mu\text{-}PPh_2)$ and $HRu_3(CO)_7(\mu\text{-}PPh_2)_3$ as catalysts in selective hydrogenation of diphenylacetylene and isomerization of *cis*-stilbene (M. Castiglioni, R. Giordano, E. Sappa), (369) 419

$Ru_3(\mu_5\text{-}\eta^2,P\text{-}C_2PPh_2)(\mu\text{-}PPh_2)(CO)_{13}$ reactions with CO or dihydrogen of; X-ray crystal structures of $Ru_5(\mu\text{-}H)(\mu_5\text{-}CCHPPh_2)(\mu\text{-}PPh_2)(CO)_{13}$, $Ru_5(\mu\text{-}H)_2(\mu_4\text{-}CCH_2PPh_2)(\mu\text{-}PPh_2)(CO)_{12}$ and $Ru_5C(\mu\text{-}H)_3(\mu\text{-}PPh_2)(CO)_{11}(PMePh_2)$ (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (369) 393

Ruthenium complex catalyzed allylation of aldehydes with allylic acetates (Y. Tsuji, T. Mukai, T. Kondo, Y. Watanabe), (369) C51

Selenium

$(\mu_3\text{-}X)_2Fe_3(CO)_9$ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Silicon

Cyclosilanyl transition metal compounds, $Si_6Me_{11}[Fe(CO)_2C_5H_5]$, $(Si_6Me_{10})[Fe(CO)_2C_5H_5]_2$, and $Si_6Me_{11}[Mo(CO)_3C_5H_5]$, preparation of (E. Hengge, M. Eibl, F. Schrank), (369) C23

(*E*)-1,2-Disilylethenes, synthesis from triorganosilylethene with the aid of $Ru_3(CO)_{12}$ and hydrosilane of (Y. Seki, K. Takeshita, K. Kawamoto), (369) 117

Ethynylsilanes, synthesis and properties of (E. Hengge, A. Baumegger), (369) C39

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of $R,S\text{-}Me_2Si(3\text{-}t\text{-}Bu\text{-}5\text{-}MeC_5H_2)_2ZrCl_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Halogenohydridobis(silylated cyclopentadienyl)niobium complexes, synthesis and characterization of (A. Antiñolo, M. Fajardo, F.A. Jalón, C. López Mardomingo, A. Otero, C. Sanz-Bernabé), (369) 187

Hypervalent silicon hydrides, intermediacy in exchange reactions of di- and tri-hydrogenosilanes catalysed by hydrides (NaH, KH and $LiAlH_4$) of (B. Becker, R.J.P. Corriu, C. Guérin, B.J.L. Henner), (369) 147

trans-Poly[(disilanylene)ethenylene], synthesis and properties of (J. Ohshita, D. Kanaya, M. Ishikawa, T. Yamanaka), (369) C18

Polysiloxane-phosphine ligands, complexes and hydrogenation catalysts of (R.V. Parish, D. Habibi, V. Mohammadi), (369) 17

Silica-immobilized ligands and functionalized polysiloxanes, comparison of (I.S. Khatib, R.V. Parish), (369) 9

1,1,2,2-Tetramethyl-1,2-bis(2′-thienyl)disilane, photolysis of (S.-S. Hu, W.P. Weber), (369) 155

Sulphur

Cyclic dithio- and diaminocarbene coordinated trichloromethyl isocyanide complexes, reactions of (W.P. Fehlhammer, G. Beck), (369) 105

1-Thia-3-azabutadienes, selective complexation with carbonyl iron of (M. Bouzid, J.P. Pradère, P. Palvadeau, J.P. Vénien, L. Toupet), (369) 205

Tellurium

$(\mu_3\text{-}X)_2Fe_3(CO)_9$ (X = RP, Se, Te) bridging groups, addition of alkynes to (T. Fässler, D. Buchholz, G. Huttner, L. Zsolnai), (369) 297

Titanium

Bis(pentamethylcyclopentadienyldivinyl-titanium, -zirconium and -hafnium compounds, formation of titanacyclobutane and -zirconacyclopent-2-ene derivatives of (R. Beckhaus, K.-H. Thiele, D. Ströhl), (369) 43

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of R,S-$Me_2Si(3\text{-t-Bu-5-Me}C_5H_2)_2ZrCl_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Titanocene and zirconocene chiral derivatives with symmetrically substituted, tetramethylethanediyl-bridged ligands (S. Gutmann, P. Burger, H.-U. Hund, J. Hofmann, H.-H. Brintzinger), (369) 343

Tungsten

Chromium, tungsten, iron, and ruthenium complexes of the 4-membered ring diazene 3,4-diazatricyclo[4.2.1.$0^{2,5}$]non-3-ene (M.N. Ackermann, D.E. Adams, J. Pranata, C.F. Yamauchi), (369) 55

Pentacarbonyl mono- and di-nuclear complexes of pteridine and their diaza derivatives, coordination in and fluxional behaviour of (G. Bessenbacher, W. Kaim), (369) 83

Uranium

$[(Me_3Si)_2N]_2\overline{UCH_2SiMe_2N}SiMe_3$, stereochemistry of insertion of cyclic ketones into the U–C bond of (A. Dormond, A. Elbouadili, C. Moïse), (369) 171

Zinc

Palladium-catalyzed cross-coupling of bromobenzenes, containing an acetyl or formyl group, with organozinc reagents (Y. Okamoto, K. Yoshioka, T. Yamana, H. Mori), (369) 285

Zirconium

Bis(pentamethylcyclopentadienyldivinyl-titanium, -zirconium and -hafnium compounds, formation of titanacyclobutane and -zirconacyclopent-2-ene derivatives of (R. Beckhaus, K.-H. Thiele, D. Ströhl), (369) 43

Group 4 metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks, diastereomers of; crystal structure of R,S-$Me_2Si(3\text{-t-Bu-5-Me}C_5H_2)_2ZrCl_2$ (H. Wiesenfeldt, A. Reinmuth, E. Barsties, K. Evertz, H.-H. Brintzinger), (369) 359

Titanocene and zirconocene chiral derivatives with symmetrically substituted, tetramethylethanediyl-bridged ligands (S. Gutmann, P. Burger, H.-U. Hund, J. Hofmann, H.-H. Brintzinger), (369) 343